Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No 1st & part bill — AS) Date: 28/12/17 ...2016.

Division: **BBMP / YNK** Sub-Division: **Yelahanka Sub – Division.**

Bill Received No. YNK-DBR No 308 Dated 31.03.17 Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 001-13-000054.**

Schedule Docket No. Head of Account: P-2906 Est.Cost: **15.00** Lakhs B.R.No. :

Name of Work : Providing water supply and improvements to Dry waste collection center at KPTCL sub station in yelahanka 5th phase of ward no-01 and 02 of yelahanka Sub division.

Name of Contractor and Full Address: **Sri Anil kumar SN, No 287, 2nd cross 3rd block, 3rd stage, Banashankari Bangalore.** (Sainath Santhosh)

Reference to Agreement No. EE/YNK.D/ E-PMT-8/ **W.O/ 417 /2013-14.** Date: 21-01-2014

Certified that the measurements were taken by me on 4/3/2017 ...and recorded of Pages 116511 to 5129 ..of measurement Book No. ...11652.... and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on ....4/3/17.....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being .....percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	1st & part Amount	1356572:00
b) Payments Now made — cost store or other material supplied.	FSD	88178:00
recovery of amount creditable to this/other work	IT	13566:00
Amount paid on this bill Cheque / Cash.	KST	54263:00
	LC	13566:00
	LBF	1357:00
	LR.	16795:00
	Fine	5190:00
5) Balance being unpaid value of work done held in reserve.	T.D	192915:00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted	Net	1163658:00

Asst. Executive Engineer, Yelahanka Sub. Division (BBMP Ynk. Zn) Yelahanka, Bangalore

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

Audited & Admitted for Rs. 1356572

(For use in the Office)

1163658:00

and Rs. 192915:00

Asst. Executive Engineer, Yelahanka Division, BBMP

Executive Engineer

sl no	Description of work	Unit
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.	cum
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 117 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M	cum
3	KSRB-4-1.1 : Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No.	cum
4	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13	cum
5	KSRB 5.3-2 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13	cum
6	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification	cum
7	KSRB 6-2.2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2.	cum
8	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications	sqm
9	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications.	sqm
10	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6,	Cum
11	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3	Qtl
12	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2	sqm
13	RCC Precast covering slab for drain (10cm thick)	sqm
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction	Each

Previous		Present Measurement			Total up-to date		Rem
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	66.00	135	8910.00	66.00	8910.00	
–	–	66.00	78.24	5164.00	66.00	5164.00	
–	–	23.40	4129.92	96640.00	23.40	96640.00	
–	–	33.23	2761.56	91767.00	33.23	91767.00	
–	–	34.10	3080.16	105033.00	34.10	105033.00	
–	–	8.50	4409.64	37482.00	8.50	37482.00	
–	–	18.87	5140.8	97007.00	18.87	97007.00	
–	–	75.58	71.39	5396.00	75.58	5396.00	
–	–	174.40	57.24	9983.00	174.40	9983.00	
–	–	35.80	5239.08	187559.00	35.80	187559.00	
–	–	12.96	7323.48	94912.00	12.96	94912.00	
–	–	57.70	244.08	14083.00	57.70	14083.00	
		150.00	1245.00	186750.00	150.00	186750.00	
–	–	1.00	1900.00	1900.00	1.00	1900.00	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

sl no	Description of work	Unit
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strata including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,)	Rmtr
	0 to 50 m	
	50 to 100 m	
	100 to 150 m	
	150 to 200 m	
	200 to 250 m	
	250 to 300m	
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes)	Rmtr
4	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work	Rmtr
5	Providing and fixing 175mm Collar	No
6	Providing and fixing 175mm Borewell cap	
7	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings	
	12.50 HP 20 stage	No
8	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008.	Rmtr
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 46/ I No. 30-B 4.0 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2007-08 3/2008-09 4538/19.01.2009 (1x3x4.00 Sqmm PVC cable	Mtr
10	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost)	No
11.	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,	Each
12	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class	Mtr
13	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000	Mtr
14	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB	Mtr
15	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class	Mtr
16	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.	No

Previous		Present Measurement			Total up-to date		Rem
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–			0.00	0.00	0.00	
–	–	50.00	287.00	14350.00	50.00	14350.00	
–	–	50.00	379.00	18950.00	50.00	18950.00	
–	–	50.00	422.00	21100.00	50.00	21100.00	
–	–	50.00	464.00	23200.00	50.00	23200.00	
–	–	50.00	513.00	25650.00	50.00	25650.00	
–	–	25.00	550.00	13750.00	25.00	13750.00	
–	–	35.00	1305.00	45675.00	35.00	45675.00	
–	–	6.00	683.00	4098.00	6.00	4098.00	
–	–	4	150.00	600.00	4.00	600.00	
–	–	1	100.00	100.00	1.00	100.00	
–	–			0.00	0.00	0.00	
–	–	1	44000.00	44000.00	1.00	44000.00	
–	–	250.00	325.00	81250.00	250.00	81250.00	
–	–	500.00	107.00	53500.00	500.00	53500.00	
–	–	1.00	1710.00	1710.00	1.00	1710.00	
–	–	1.00	285.00	285.00	1.00	285.00	
–	–	50.00	150.00	7500.00	50.00	7500.00	
–	–	50.00	8.00	400.00	50.00	400.00	
–	–	16.00	60.00	960.00	16.00	960.00	
–	–	4.00	240.00	960.00	4.00	960.00	
–	–	1.00	260.00	260.00	1.00	260.00	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

sl no	Description of work	Unit
17	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the mete board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000	No
18	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 30/I No 3b	No
19	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13	No
20	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 84 / I. No. 13.81.3	Nos
21	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete	No
22	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No
23	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No
24	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm	Sq. Cm
25	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.	No
26	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **(P.81/I.13.37 PWD SR - 2010-11)**	Each
27	Earth work excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs. Including shoring and strutting danger lighting and using sight rails and boning rods at every 100 mtrs wherever necessary as directed in the following strata manual means in hard soil	Cum
28	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.12 item**	Rmtr
	75 mm dia 6 KSC PVC pipe	
	63mm dia 6KSC	
29	Refilling the basement and pipe line trenches with selected avaiable earth from trench excavation including watering consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead of 200 meters	Cum
30	KSRB 13.3.2: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments complete as per specifications. Specification	Rmtr
32	KSRB 13-4.1: Making connection of G.I. distribution branch with G.I. main of 25 to 40mm. nominal bore, including bore, including cutting and threading the pipes, providing and fixing Tee, nuts, labour for all item of works, testing and HOM of equipments complete as per specifications. Specification	Nos

TOTAL

Certificates:

1 The above work is done satisfactorily.
2 There is no department Material issue for the above work.
3 This works comes under BBMP Limit.

Previous		Present Measurement			Total up-to date		Rem
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	1.00	1950.00	1950.00	1.00	1950.00	
–	–	4.00	100.00	400.00	4.00	400.00	
–	–	1.00	1135.08	1135.00	1.00	1135.00	
–	–	1.00	205.20	205.00	1.00	205.00	
–	–	4.00	80.00	320.00	4.00	320.00	
–	–	1.00	350.00	350.00	1.00	350.00	
–	–	1.00	1000.00	1000.00	1.00	1000.00	
–	–	33000.00 Q/600	0.33	10890.00 ₹128	33000.00 Q/600	10890.00 ₹128	
–	–	1.00	7000.00	7000.00	1.00	7000.00	
–	–	1	1612.44	1612.00	1.00	1612.00	
–	–	67.50	202.00	13635.00	67.50	13635.00	
–	–			0.00	0.00		
–	–	100.00	117.00	11700.00	100.00	11700.00	
–	–	150.00	88.00	13200.00	150.00	13200.00	
–	–	67.50	58.00	3915.00	67.50	3915.00	
–	–	5.00	140.40	702.00	5.00	702.00	
–	–	5.00	303.48	1517.00	5.00	1517.00	
				1370148.00		1370148.00	

1356573

1356573.00

Asst. Executive Engineer
Yelahanka Sub. Divison
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Yelahanka, Bangalore